MA

1987 PEST CONDITIONS REPORT WORK SHEET

): Brown-tail Moth

(SPECIFIC NAME): Euproctis chrysorrhoea L.

HOST: Beach plum, Rosa rugosa, black cherry, shad bush

PRESENT CONDITION:

AREA - TOTAL ACRES: Ca 4400

LOCATION: Provincetown & Truro

SEVERITY - INCLUDE ACRES OF MODERATE AND HEAVY DEFOLIATION OR INFECTION; DEFINE CLASSES:

Ca 840 acres heavily defoliated

LOSSES - INCLUDE AREAS OF ~~TREE~~ shrub MORTALITY; ALSO VOLUME AND/OR $ ESTIMATES:

Scattered dieback and/or mortality throughout the infested area.

TREND - CHANGES IN INCIDENCE AND SEVERITY OVER THE PAST FEW YEARS AND EXPECTATIONS FOR NEXT YEAR:

Population is expected to increase in 1988

CONTROL PROJECTS - METHOD, MATERIAL, ACRES, COST, RESULTS:

Cape Cod Nat'l Seashore tested Dipel & AF on trial plots against late instar larvae. Dipel & AF was ineffective on the brush.

ADDITIONAL COMMENTS:

Cape Cod Nat'l Seashore will probably continue to remove webs from host plants on the primary & secondary dunes. Will remove webs from reinfested areas that were treated in 1987.

MA

1987 CONDITIONS REPORT WORK SHEET

PEST - (COMMON NAME): Beetail moth

(SPECIFIC NAME): Exproctis chrysorrhoea

HOST: Primarily on Beach Plum

PRESENT CONDITION:

AREA - TOTAL ACRES: 1,351

LOCATION: Cape Cod

SEVERITY - INCLUDE ACRES OF MODERATE AND HEAVY DEFOLIATION OR INFECTION; DEFINE CLASSES:

1,351 acres heavy defoliation with mortality present.

LOSSES - INCLUDE AREAS OF TREE MORTALITY; ALSO VOLUME AND/OR $ ESTIMATES:

no formal survey

TREND - CHANGES IN INCIDENCE AND SEVERITY OVER THE PAST FEW YEARS AND EXPECTATIONS FOR NEXT YEAR:

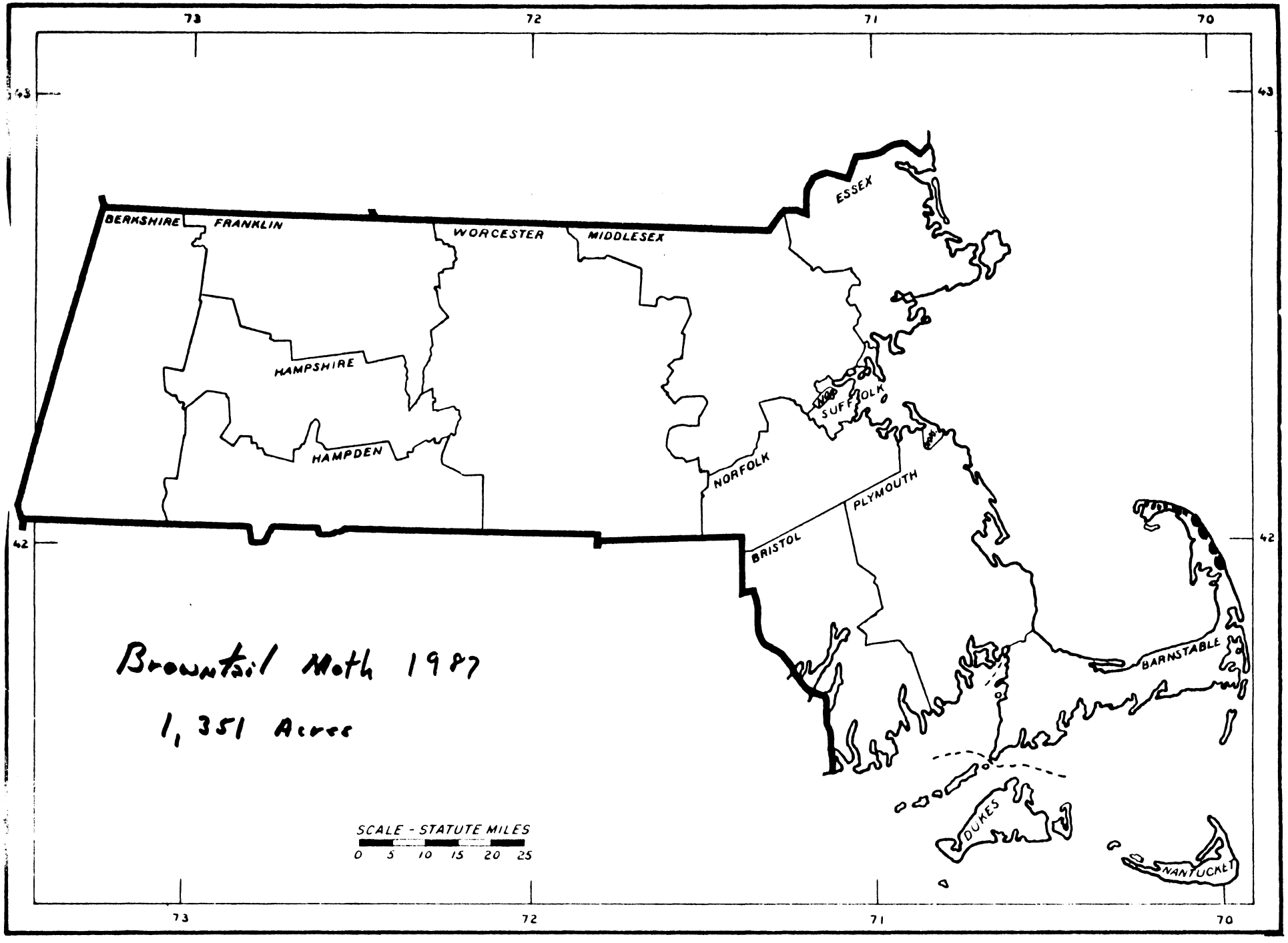
no formal survey

CONTROL PROJECTS - METHOD, MATERIAL, ACRES, COST, RESULTS:

ADDITIONAL COMMENTS:

Parker Snowden has best data.

MASSACHUSETTS



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1987 PEST CONDITIONS REPORT WORK SHEET

PEST - (COMMON NAME): Gypsy moth

(SPECIFIC NAME): Lymantria dispar

HOST: many deciduous & coniferous Trees

PRESENT CONDITION:

AREA - TOTAL ACRES: 116,007

LOCATION: Southern Worcester & Middlesex Counties, Essex, Barnstable, Bristol counties

SEVERITY - INCLUDE ACRES OF MODERATE AND HEAVY DEFOLIATION OR INFECTION; DEFINE CLASSES:

0-30% = 87,268 acres 31-60% = 22,068 acres

61-100% = 6,671 acres

LOSSES - INCLUDE AREAS OF TREE MORTALITY; ALSO VOLUME AND/OR $ ESTIMATES:

TREND - CHANGES IN INCIDENCE AND SEVERITY OVER THE PAST FEW YEARS AND EXPECTATIONS FOR NEXT YEAR:

Decline - all areas

CONTROL PROJECTS - METHOD, MATERIAL, ACRES, COST, RESULTS:

none

ADDITIONAL COMMENTS:

Populations showing an increase in Conn. River Valley - by burlap band assessment. No defoliation visible yet

1987 PEST CONDITIONS REPORT WORK SHEET

PEST - (COMMON NAME): Oak Leaf Tier (complex)

(SPECIFIC NAME): Croesia semipurpurana

HOST: Red Oak

PRESENT CONDITION:

AREA - TOTAL ACRES: 20,096

LOCATION: Eastern Franklin County

SEVERITY - INCLUDE ACRES OF MODERATE AND HEAVY DEFOLIATION OR INFECTION; DEFINE CLASSES:

0-30% = 5,264 acres 31-60% = 4,930 acres

61-100% = 5,495 acres

LOSSES - INCLUDE AREAS OF TREE MORTALITY; ALSO VOLUME AND/OR $ ESTIMATES:

TREND - CHANGES IN INCIDENCE AND SEVERITY OVER THE PAST FEW YEARS AND EXPECTATIONS FOR NEXT YEAR:

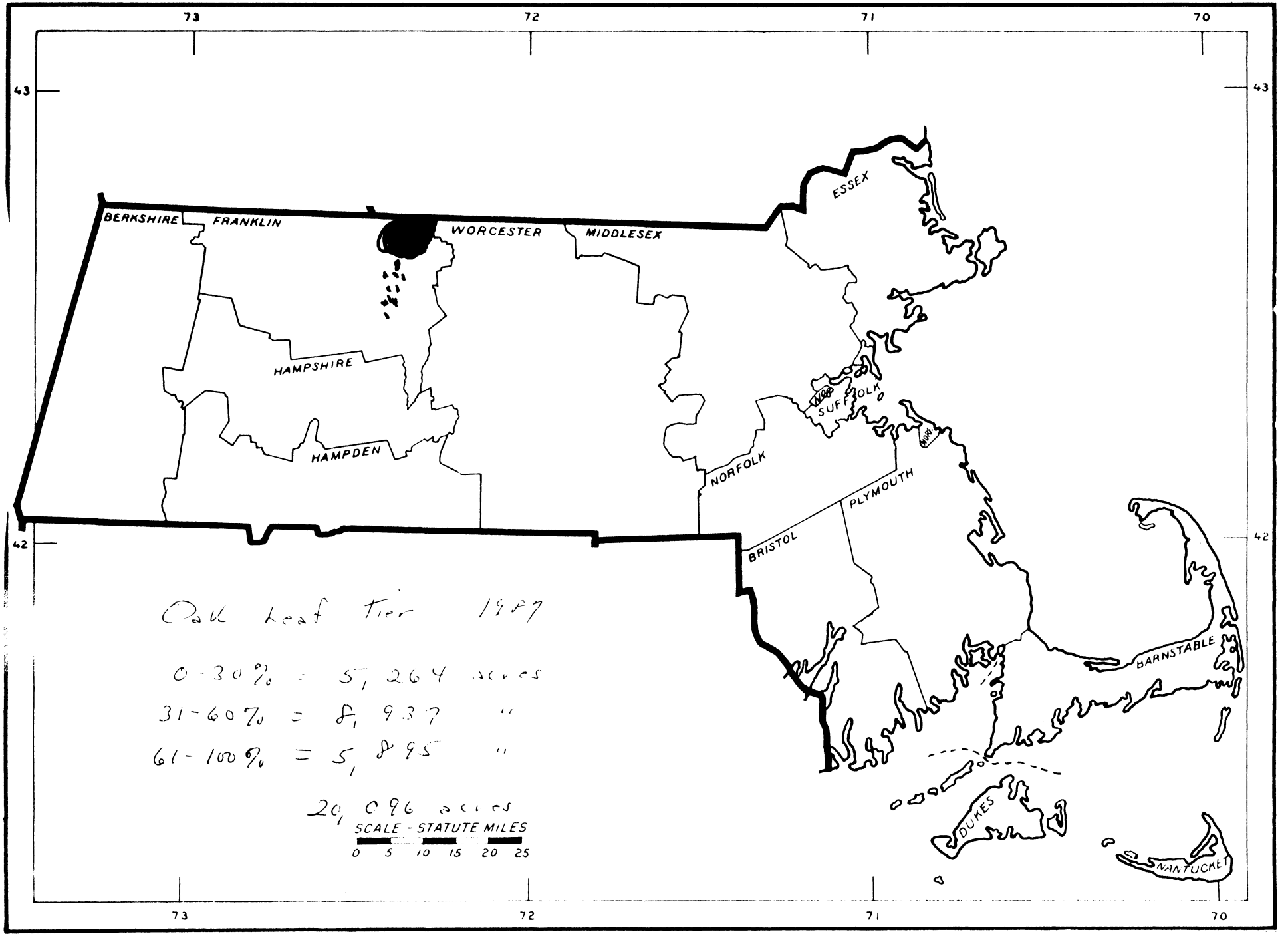
Increasing for past two years - continued increase in 1987 mortality increasing.

CONTROL PROJECTS - METHOD, MATERIAL, ACRES, COST, RESULTS:

ADDITIONAL COMMENTS:

No survey in Southeastern Mass. this year (aerial)

MASSACHUSETTS



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1987 PEST CONDITIONS REPORT WORK SHEET

PEST - (COMMON NAME): Fall Cankerworm

(SPECIFIC NAME): Alsophila pometaria

HOST: various hardwoods

PRESENT CONDITION:

AREA - TOTAL ACRES: 3668

LOCATION: Norfolk, Barnstable and Dukes counties

SEVERITY - INCLUDE ACRES OF MODERATE AND HEAVY DEFOLIATION OR INFECTION; DEFINE CLASSES:

all 30-60% moderate

LOSSES - INCLUDE AREAS OF TREE MORTALITY; ALSO VOLUME AND/OR $ ESTIMATES:

TREND - CHANGES IN INCIDENCE AND SEVERITY OVER THE PAST FEW YEARS AND EXPECTATIONS FOR NEXT YEAR:

Decline in Norfolk, increase in Barnstable, decline in Dukes

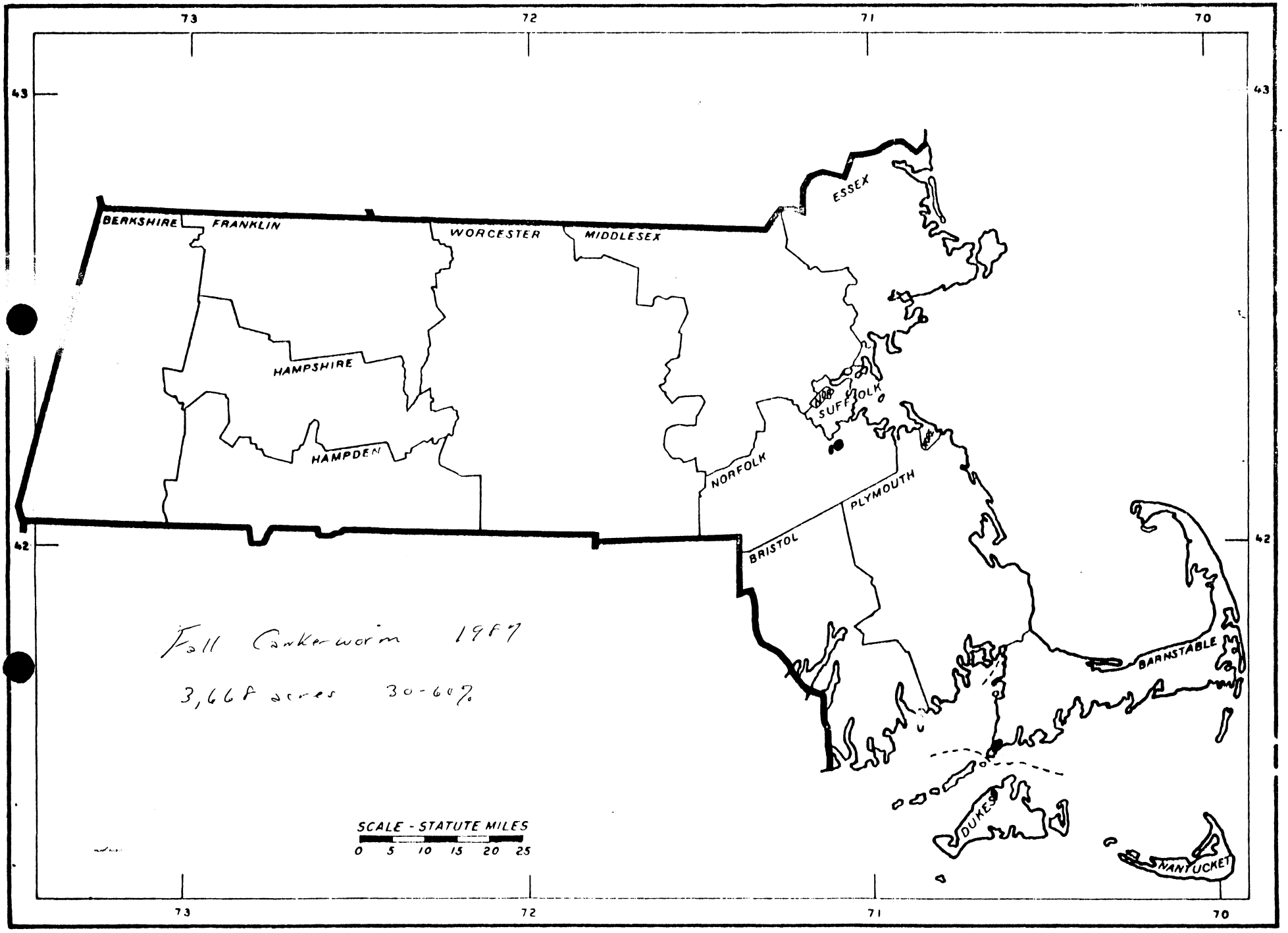
CONTROL PROJECTS - METHOD, MATERIAL, ACRES, COST, RESULTS:

None

ADDITIONAL COMMENTS:

Barnstable County infest mixed with Gypsy moth infest.

MASSACHUSETTS



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11-58

1987 PEST CONDITIONS REPORT WORK SHEET

PEST - (COMMON NAME): Pear thrips

(SPECIFIC NAME): Taeniothrips inconsequens

HOST: Sugar Maple

PRESENT CONDITION:

AREA - TOTAL ACRES: 10 of 193

LOCATION: Western Mass. in Franklin & Berkshire Counties
Hampden & Hampshire Counties

SEVERITY - INCLUDE ACRES OF MODERATE AND HEAVY DEFOLIATION OR INFECTION; DEFINE CLASSES:

All 60-100%

LOSSES - INCLUDE AREAS OF TREE MORTALITY; ALSO VOLUME AND/OR $ ESTIMATES:

No mortality

TREND - CHANGES IN INCIDENCE AND SEVERITY OVER THE PAST FEW YEARS AND EXPECTATIONS FOR NEXT YEAR:

Unknown

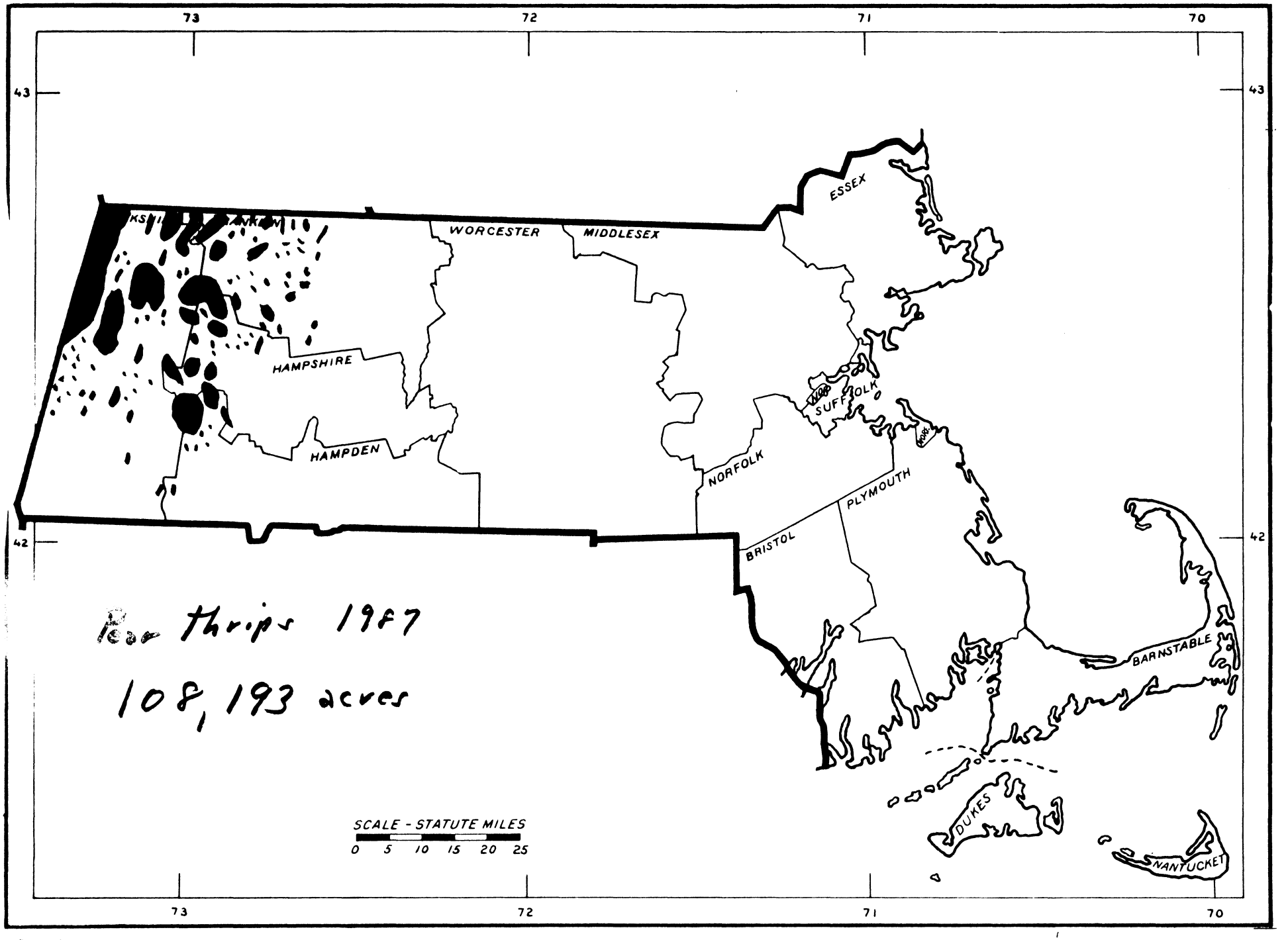
CONTROL PROJECTS - METHOD, MATERIAL, ACRES, COST, RESULTS:

None

ADDITIONAL COMMENTS:

An aphid identified as Periphyllus bonevespinosus is also present in the same areas.

MASSACHUSETTS



Per thrips 1967

108,193 acres

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1987 PEST CONDITIONS REPORT WORK SHEET

PEST - (COMMON NAME): Fall Webworm

(SPECIFIC NAME): Hyphantria cunea

HOST: Ash, Hickory

PRESENT CONDITION:

AREA - TOTAL ACRES: Spotty - Statewide

LOCATION: No formal survey

SEVERITY - INCLUDE ACRES OF MODERATE AND HEAVY DEFOLIATION OR INFECTION; DEFINE CLASSES:

Unknown

LOSSES - INCLUDE AREAS OF TREE MORTALITY; ALSO VOLUME AND/OR $ ESTIMATES:

None

TREND - CHANGES IN INCIDENCE AND SEVERITY OVER THE PAST FEW YEARS AND EXPECTATIONS FOR NEXT YEAR:

Slight increase in area noted by field men

Will probably increase again next year.

CONTROL PROJECTS - METHOD, MATERIAL, ACRES, COST, RESULTS:

None

ADDITIONAL COMMENTS:

1987 PEST CONDITIONS REPORT WORK SHEET

PEST - (COMMON NAME): Oak Skeletonizer

(SPECIFIC NAME): Bucculatrix ainsliella.

HOST: Primarily Red Oak,

PRESENT CONDITION:

AREA - TOTAL ACRES: 4,457 acres First Generation

LOCATION: Eastern Mass.

SEVERITY - INCLUDE ACRES OF MODERATE AND HEAVY DEFOLIATION OR INFECTION; DEFINE CLASSES:

4,457 31-60% No survey following second generation,

LOSSES - INCLUDE AREAS OF TREE MORTALITY; ALSO VOLUME AND/OR $ ESTIMATES:

None

TREND - CHANGES IN INCIDENCE AND SEVERITY OVER THE PAST FEW YEARS AND EXPECTATIONS FOR NEXT YEAR:

Declined in 1986

Expect continued decline

CONTROL PROJECTS - METHOD, MATERIAL, ACRES, COST, RESULTS:

None

ADDITIONAL COMMENTS: